

FIG.1

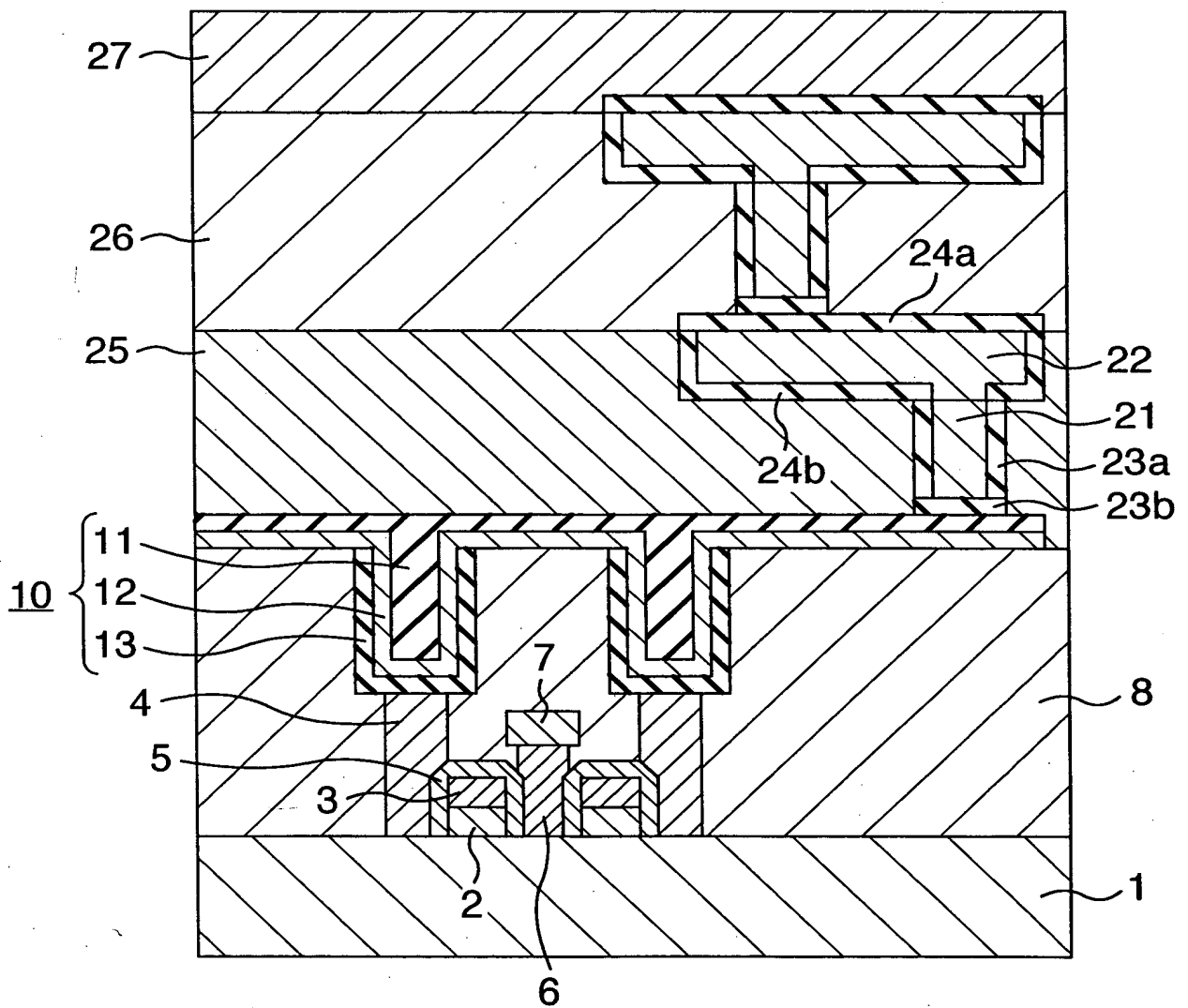


FIG.2

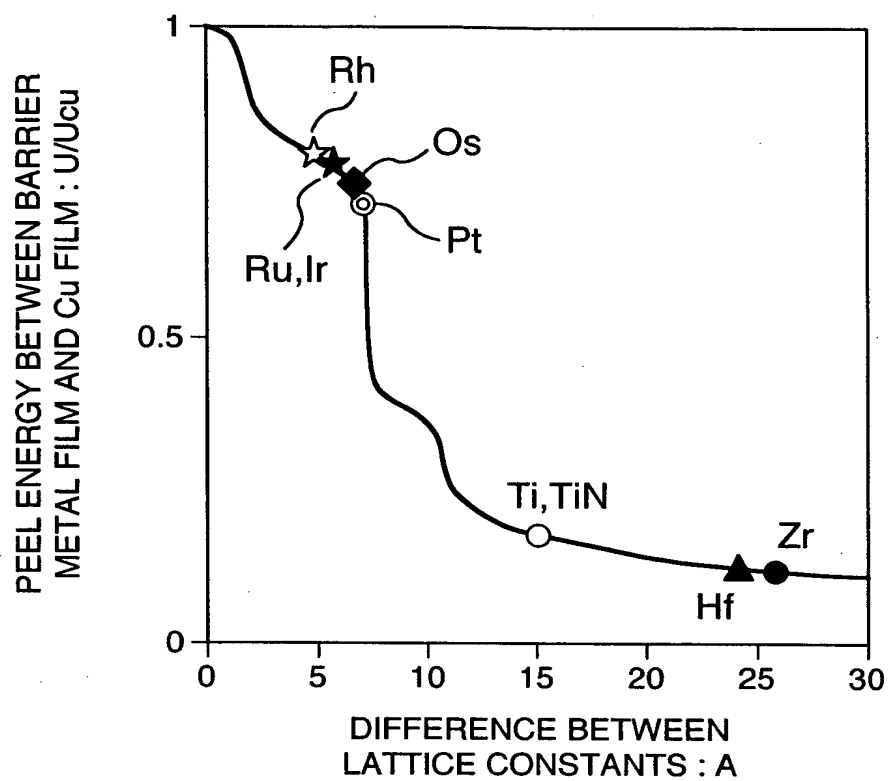


FIG.3

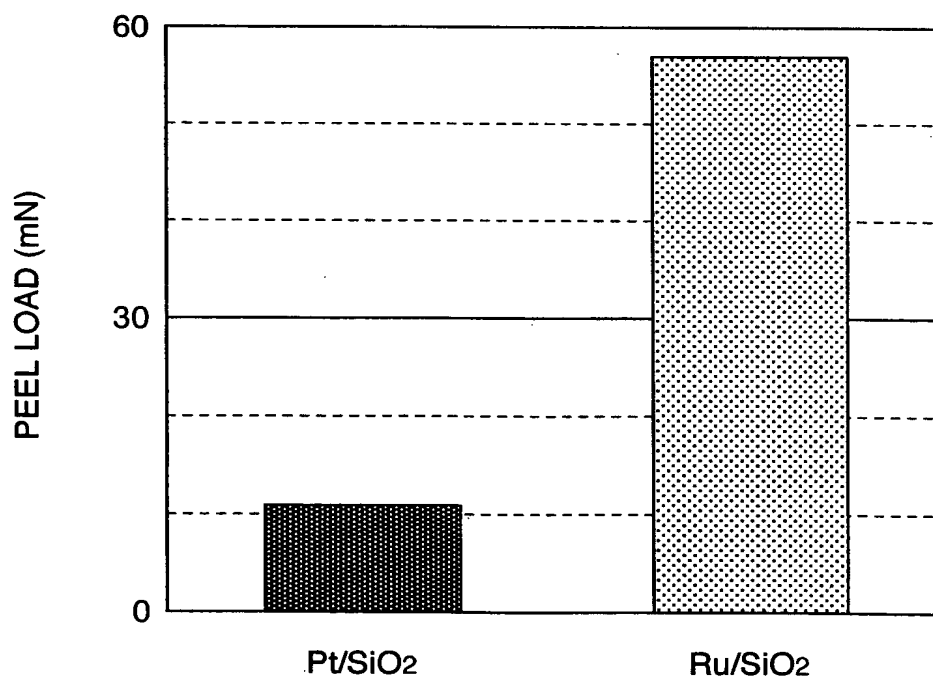


FIG.4

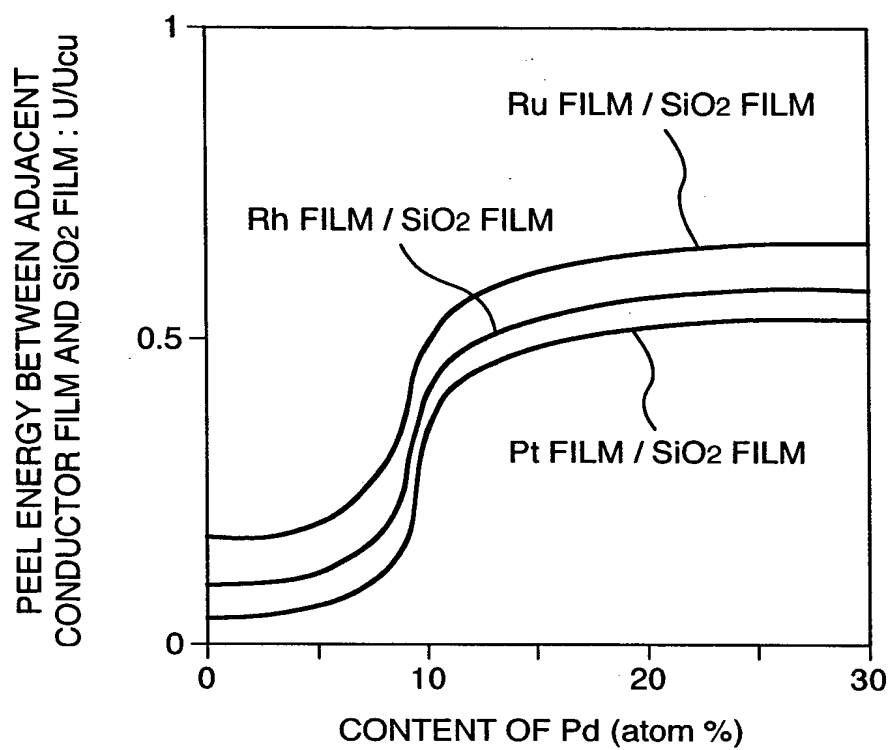


FIG.5

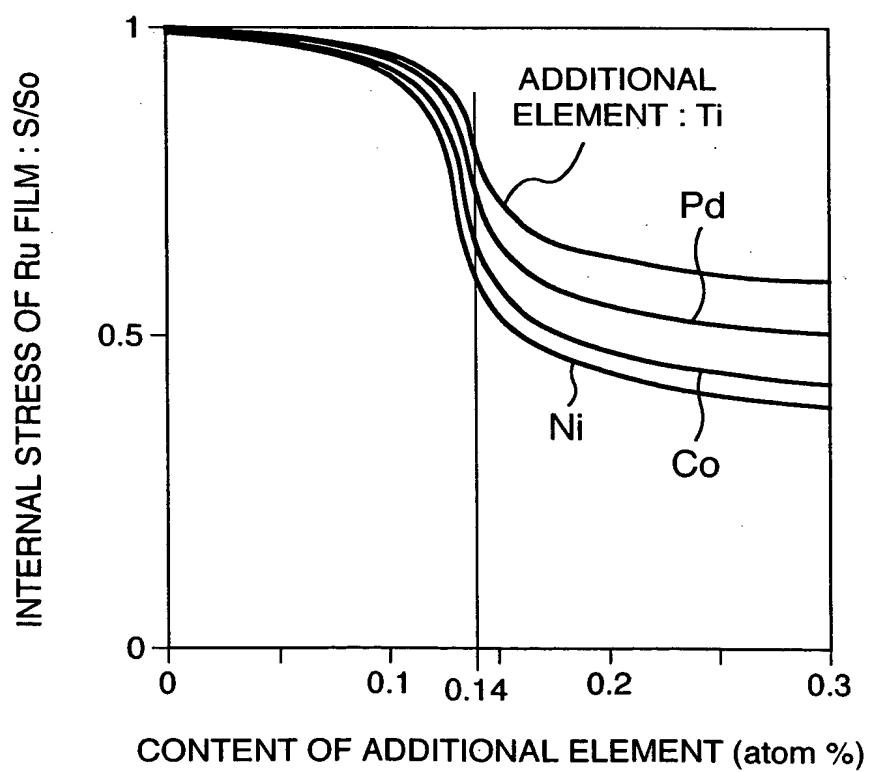
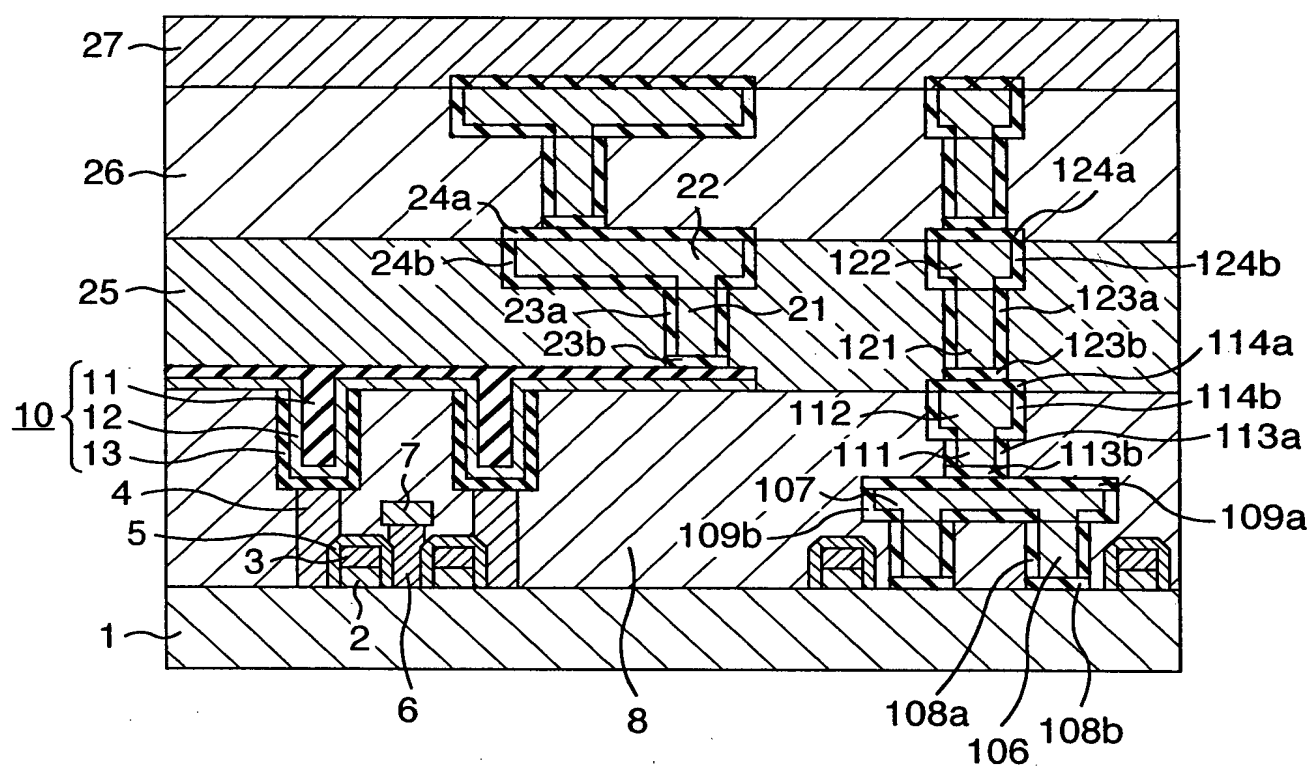


FIG.6



[illegible]

This cross-sectional view shows a substrate 1 with a series of rectangular openings. A layer 2 is deposited in these openings, with a central portion 3. A layer 4 is formed on top of layer 2, and a layer 5 is formed on top of layer 4. A layer 6 is formed on top of layer 5. A layer 7 is formed on top of layer 6. A layer 8 is formed on top of layer 7. A layer 106 is formed on top of layer 8. A layer 107 is formed on top of layer 106. A layer 108a is formed on top of layer 107. A layer 108b is formed on top of layer 108a. A layer 109a is formed on top of layer 108b. A layer 109b is formed on top of layer 109a. A layer 111 is formed on top of layer 109b. A layer 112 is formed on top of layer 111. A layer 113a is formed on top of layer 112. A layer 113b is formed on top of layer 113a. A layer 114b is formed on top of layer 113b. A layer 13 is formed on top of layer 114b.

[illegible]

FIG. 3B is a cross-sectional view of a semiconductor device. It shows a substrate 1 with a layer 8. On top of 8, there are two main regions. The left region contains a series of vertical structures 3, 5, 6, 7, and 10. The right region contains a more complex structure with layers 106, 107, 108a, 108b, 109a, 109b, 111, 112, 113a, 113b, 114a, and 114b. A bracket 10 groups the left side structures.

A cross-sectional diagram of a semiconductor device. The device consists of a substrate (1) at the bottom. On the left side, there is a stack of layers: 2, 3, 4, 5, and 6. Layer 2 contains several rectangular openings. Above layer 6 is a horizontal layer (8). To the right of this, there is another set of layers: 9a, 9b, and 10. Layer 9a is a thin layer, while 9b and 10 are thicker. There are also vertical structures (7) extending from layer 2 up to layer 8. On the far right, there are more vertical structures (11, 12, 13, 14) extending from layer 9a up to layer 10. The entire device is shown in a cross-section with hatching indicating different materials.